



IES ROAD REPORT
PHOTOMETRIC FILENAME : BC V 42CFL.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-1995
[TEST] Photopia 3 0 0 517 PHOTOMETRIC REPORT
[DATE] Tue Mar 11 10:53:57 2008
[LUMINAIRE] PROJECT: BC-17V C2
[LAMP] Fluor. 42W DULUX triple tube
[LAMPCAT] CF42DT/E/IN/830

CHARACTERISTICS

IES Classification	Type V
Longitudinal Classification	Short
Cutoff Classification	Full Cutoff
Total Rated Lamp Lumens	3200
Maximum Candela	785.21
Maximum Candela Angle	80H 47.5V
Maximum Candela At 90 Degrees Vertical	0 (0.00% Lamp Lms)
Maximum Candela At 80 Degrees Vertical	74.6 (2.33% Lamp Lms)
Downward Total Efficiency	78.6%



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CANDELA TABULATION

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>5</u>	<u>10</u>	<u>15</u>	<u>20</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
0	426.29	426.29	426.29	426.29	426.29	426.29	426.29	426.29	426.29	426.29
2.5	423.54	394.66	427.72	410.88	407.41	425.57	419.04	401.48	450.97	417.1
5	413.14	399.31	410.88	396.99	407.66	384.5	404.9	409.91	393.52	412.79
7.5	371.69	373.3	378.68	362.88	374.86	380.99	378.22	370.74	367.8	371.96
10	353.83	348.74	350.38	342.56	344.94	347.92	349.98	340.85	341	337.76
12.5	328.12	329.07	325.39	332.31	323.11	326.01	325.61	322.88	320.02	329.37
15	312.16	308.7	307.9	310.69	304.63	303.3	304.31	310.13	318.77	303.14
17.5	306.72	302.34	308.61	304.94	310.46	303.49	303.73	311.56	304.62	307.68
20	320.73	320.18	315.24	322.89	325.73	318.74	317.45	318.13	324.74	317.31
22.5	347.85	346.24	342.2	341.23	341.53	340.51	341.16	334.19	347.45	350
25	378.89	382.64	379.96	386.24	388.12	379.82	370.38	367.82	375.41	385.21
27.5	415.97	418.26	416.72	420.2	412.65	420.3	416.7	421.05	415.95	426.6
30	477.46	465.05	467.96	471.1	463.32	464.14	462.14	465.39	474.85	467.9
32.5	533.46	526.46	523.6	532.6	538.7	522.63	523.18	528.25	529.32	527.47
35	597.84	600.12	606.58	609.11	605.75	586.38	596.34	601.74	592.09	601.47
37.5	654.76	670.72	670.46	660.38	674.3	669.42	654.06	660.92	666.6	661.24
40	718.31	711.45	722.27	708.58	711.72	717.24	710.22	706.59	717.33	710.63
42.5	740.87	753.6	758.42	752.94	757.37	750.81	743.82	737.48	750.1	751.49
45	758.38	768	765.63	771.39	768.71	764.65	759.55	760.17	769	778.61
47.5	775.58	772.16	771.01	780.61	776.27	771.79	766.72	762.73	770.7	770.54
50	755.56	763.52	771.89	761.58	774.35	757.46	754.18	761.98	770.97	768.72
52.5	723.27	730.8	739.22	745.04	736.15	727.13	720.08	728.62	737.35	745.38
55	682.75	686.22	696.66	689.37	698.42	692.52	673.04	687.05	695.27	691.79
57.5	613.73	632.56	631.61	635.17	637.72	626.81	609.85	619.85	644.06	634.78
60	557.4	561.9	571.25	567.9	570.44	564.84	547.83	566.57	573.54	569.99
62.5	480.44	498.04	510.83	495.13	507.03	496.58	478.74	496.68	503.26	497.48
65	419.35	425.15	442.12	429.84	435.36	430.3	422.02	430.2	443.7	429.05
67.5	348.61	361.09	370.53	361.33	368.91	367.31	345.67	367.79	373.65	360.4
70	287.72	298.55	302.45	297.04	301.62	299.1	285.51	296.75	300.63	293.15
72.5	220.83	229.39	234.95	226.34	232.86	231.73	219.61	232.11	234.78	224.34
75	164.69	171.58	172.88	171.06	172.2	168.84	162.95	170.36	174.05	168.55
77.5	111.62	117.31	118.66	111.3	115.83	115.69	110.26	117.79	114.15	116.03
80	71.5	73.17	72.06	71.74	74.6	72.02	68.76	70.78	71.09	70.51
82.5	33.82	37.48	36.15	35.28	38.17	37.21	36.42	36.31	36.52	34.76
85	13.72	14.16	14.39	13.48	13.45	12.99	13.7	13.21	13.9	14.54
87.5	4.18	3.76	4.84	4.43	4.17	4.27	4.49	4.18	4.47	4.43
90	0	0	0	0	0	0	0	0	0	0

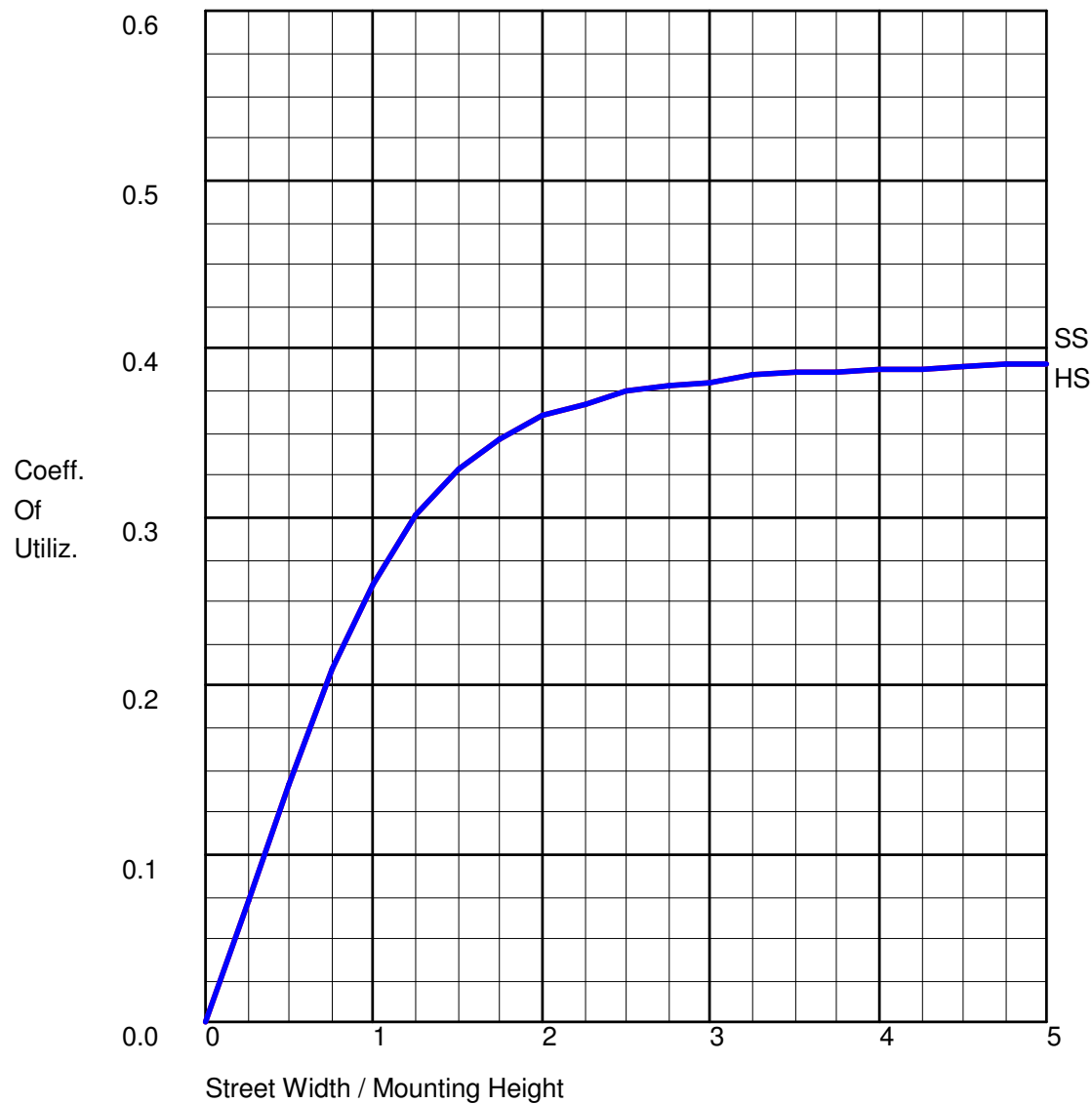
Vert. Angles	Horizontal Angles									
	<u>50</u>	<u>55</u>	<u>60</u>	<u>65</u>	<u>70</u>	<u>75</u>	<u>80</u>	<u>85</u>	<u>90</u>	
0	426.29	426.29	426.29	426.29	426.29	426.29	426.29	426.29	426.29	
2.5	426.2	405.04	416.41	452.29	424.7	434.83	423.98	422.56	441.79	
5	399.48	390.78	397.39	402.61	400.92	401.88	396.11	408.46	415.19	
7.5	372.93	384.1	380.59	373.61	380.86	366.21	377.31	368.08	383.65	
10	352.85	355.58	344.47	346.94	348.1	342.68	350.01	349.9	339.19	
12.5	317.33	319.65	327.64	328.55	327.2	325.32	329.92	325.26	336.89	
15	306.1	303.29	312.44	312.6	318.91	311.09	314.49	303.4	317.14	
17.5	306.46	310.27	304.49	308.18	307.58	307.05	308.36	302.64	323.34	
20	316.24	315.96	325.18	325.96	325.59	325.46	321.48	320.97	321.85	
22.5	343.61	344.43	344.66	338.4	343.4	353.26	345.53	338.07	349.41	
25	387.31	375.59	378.41	380.9	381.71	384.35	384.86	373.01	377.54	
27.5	427.85	425.65	418.24	423.08	419.04	422.03	414.82	416.5	416.04	

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CANDELA TABULATION - (Cont.)

30	471.67	468.82	465.83	466.12	468.45	470.7	470.68	472.44	469.64
32.5	534.81	528.2	525.17	531.57	529.23	531.46	531.78	531.1	521.08
35	603.08	607.25	593.93	607.33	606.89	602.35	604.2	600.84	597.1
37.5	663.2	657.81	661.71	672.27	673.54	671.02	677.38	663.67	655.53
40	719.07	719.88	706.88	721.21	725.97	723.03	723.91	713.75	716.39
42.5	753.09	744.77	739.35	747.12	756.04	756.44	752.36	750.6	748.61
45	771.93	773.78	767.57	761.84	775.97	776.42	776.26	767.7	762.19
47.5	783.68	778.05	773.98	774.48	783.56	780.5	785.21	773.04	750.5
50	770.07	757.7	759.99	759.77	774.43	760.6	776.02	769.52	754.58
52.5	740.19	733.49	720.83	737.1	743.66	742.13	745.3	730.76	726.33
55	693.76	692.55	677.85	685.14	701.31	690.86	710.51	692.86	681.05
57.5	628.95	631.61	616.13	630.72	631.06	630.7	637.22	631.51	609.95
60	564.68	563.2	551.33	563.43	572.57	571.72	568.79	564.86	547.81
62.5	508.39	492.64	484.37	495.51	506.7	503.77	510.29	498.5	489.55
65	437.19	429.41	414.17	428.29	447.21	430.29	446.09	435.33	420.49
67.5	373.39	369.13	351.66	370.24	370.12	363.06	370.67	367.33	357.59
70	301.99	298.32	283.88	298.09	303.26	294.62	301.61	295.99	288.6
72.5	234.86	231.49	221.35	234.24	232.89	232.81	237.87	234.29	220.2
75	174.52	173.62	163.5	170.73	173.04	170.93	173.39	176.79	165.24
77.5	117.27	117.37	111	118.37	118.93	116.88	118.64	114.92	111.2
80	73.08	69.1	69.69	71.37	72.94	69.07	71.92	73.23	70.39
82.5	36.07	36.47	36.72	35.87	36.91	36.19	34.93	36.71	34.76
85	14.12	13.37	13.07	13.69	14.15	13.63	13.64	13.68	13.19
87.5	4.1	4.34	4.94	4.11	4.45	4.32	3.97	4.28	3.88
90	0	0	0	0	0	0	0	0	0

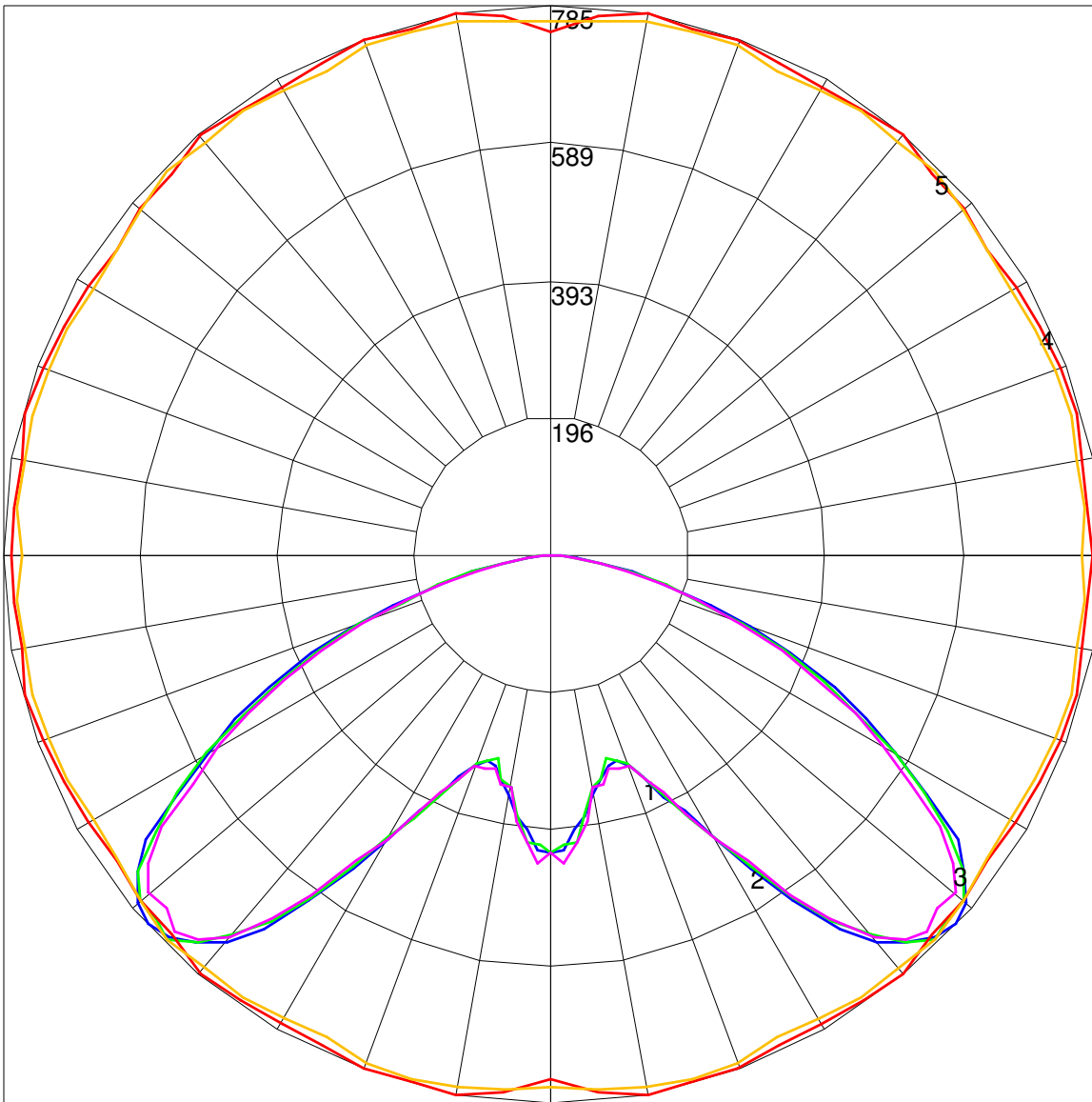
COEFFICIENTS OF UTILIZATION



FLUX DISTRIBUTION

	Lumens	Percent Of Lamp
Downward Street Side	1258.2	39.3
Downward House Side	1258.2	39.3
Downward Total	2516.4	78.6
Upward Street Side	0.0	0.0
Upward House Side	0.0	0.0
Upward Total	0.0	0.0
Total Flux	2516.4	78.6

POLAR GRAPH



Maximum Candela = 785.21 Located At Horizontal Angle = 80, Vertical Angle = 47.5

- # 1 - Vertical Plane Through Horizontal Angles (80 - 260) (Through Max. Cd.)
- # 2 - Vertical Plane Through Horizontal Angles (45 - 225)
- # 3 - Vertical Plane Through Horizontal Angles (90 - 270)
- # 4 - Horizontal Cone Through Vertical Angle (47.5) (Through Max. Cd.)
- # 5 - Horizontal Cone Through Vertical Angle (45)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINANCE

